# Rec'd PCT/PTO

10 JAN 2005

### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

#### (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 22 January 2004 (22.01.2004)

PCT

## (10) International Publication Number WO 2004/007270 A1

(51) International Patent Classification<sup>7</sup>: 19/34, 19/36

B62K 3/10.

19/34, 19/36

(21) International Application Number:
PCT/IL2003/000570

(22) International Filing Date: 10 July 2003 (10.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 150722

12 July 2002 (12.07.2002) IL

(71) Applicants and

(72) Inventors: YIFRAH, Nir [IL/IL]; 15/10 Lamdan Street, 69414 Tel Aviv (IL). GOLAN, Lee [IL/IL]; 14/8b Koresh Street, 94144 Jerusalem (IL).

(74) Agents: LUZZATTO, Kfir et al.; P.O. Box 5352, 84152 Beer-Sheva (IL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

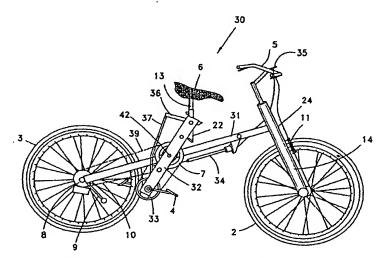
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BICYCLE WITH ADJUSTABLE ORIENTATION OF THE SEAT AND THE PEDALS WITH RESPECT TO THE HANDLEBARS



(57) Abstract: The invention is a bicycle having adjustable orientation of the seat (6) and the pedals (4) with respect to the handle-bars (5). The bicycle comprising an x shaped frame comprised of a profile (31) and a rigid support member (32) that are rotatably connected to each other by a hollow pin (42). The rider of the bicycle can change the angle between the profile (31) and the rigid support member (32) to rotate about the hollow pin (42). The bicycle further comprises a seat (6), attached to the upper part of the rigid support member (32), a first toothed-wheel (33) attached to the frame (32) by means of a pin passing through the toothed-wheel (33) and the lower part of the rigid support member (32). The pin has a crank and pedal (4) attached to each of its ends. The bicycle also comprises a front gear and second toothed-wheel (7) attached to a pin that passes through the hollow pin (42) located between the seat (6) and the first toothed-wheel (33).

EXPRESS MAIL LABEL NO.: EV 481672345 US